Beam Power Tube

9-PIN MINIATURE TYPE For High-Fidelity Audio-Amplifier Applications

GENERAL DATA

Electrical:	
Current at 6.3 volts 0.45 Direct Interelectrode Capacitances:	olts amp
Grid No.1 to plate 0.4 max. Grid No.1 to cathode & grid No.3, grid No.2, and heater 9 Plate to cathode & grid No.3,	<i>μ</i> μf μμf
grid No. 2, and heater 6	μμf
Characteristics, Class A, Amplifier:	
Plate Voltage 250 Grid-No.2 Voltage 250 Grid-No.1 Voltage -15 Plate Resistance (Approx.) 73000 Transconductance 4800 Plate Current 46 Grid-No.2 Current 3.5 Grid-No.1 Voltage (Approx.) for	volts volts volts ohms ma ma
Mechanical:	
Operating Position. Maximum Overall Length. 2-12 Maximum Seated Length. 2-12 Length, Base Seat to Bulb Top (Excluding tip) 2-7/16" ± 3 Maximum Diameter. 0.750" to 0. Dimensional Outline. See General See Bulb. TO Base. Small—Button Noval 9—Pin (JEDEC No. 6 Basing Designation for BOTTOM VIEW.	1/16" 3/16" 3/32" .875" :tion 5-1/2
Pin 1-Grid No.2 Pin 2-No Connection Pin 3-Grid No.1 Pin 3-Grid No.1	3,

in	1-Grid No.2	0,00
in	2 - No Connection	W(-51)
in	3 - Grid No. 1	_// =>>===-
in	4 - Heater	
in	5-Heater	

Pin 7-Grid No.3, Cathode Pin 8-Grid No. 2 Pin 9-Plate

PUSH-PULL AF POWER AMPLIFIER - Class ABI

Maximum Ratings, Design-Maximum Values:

volts PLATE VOLTAGE 440 max. GRID-No. 2 (SCREEN-GRID) VOLTAGE . 330 max. volts indicates a change.

	GRID-No.2 INPUT 2 ma	x. watts				
	PLATE DISSIPATION					
	Heater negative with respect to cathode 200 ma	x. volts				
	Heater positive with respect to cathode 200 ma					
	BULB TEMPERATURE (At hottest point					
	on bulb surface) 250 ma	x. •c				
	Typical Operation with Fixed Bias:					
	Values are for 2 tubes					
		00 volts				
		90 volts				
	Grid-No.1 (Control-Grid) Voltage*15 -22 -	25 volts				
	Peak AF Grid-No.1-to-Grid-No.1					
		50 volts				
	zoto organi ritata izritaria i i i i i i i i i i i i i i i i i i	50 ma				
		07 ma				
		.5 ma				
	MaxSignal Grid-No.2 Current 16 14 13	.7 ma				
	Effective Load Resistance (Plate to plate)	00 ohms				
	to plate)	2 %				
		24 watts				
	Typical Operation with Cathode Bias:					
	Values are for 2 tubes					
	Plate Supply Voltage 300 31					
	Grid-No.2 Supply Voltage 300 31					
	Cathode Resistor 230 279					
	Peak AF Grid-No.1-to-Grid-No.1 Voltage . 48 5					
	Zero-Signal Plate Current 80 7					
	MaxSignal Plate Current 96 9					
		5 ma 4 ma				
	MaxSignal Grid-No.2 Current 14 1 Effective Load Resistance (Plate	4 ma				
	to plate)	O ohms				
		4 %				
	MaxSignal Power Output 15 1	7 watts				
	Maximum Circuit Values:					
	Grid-No.1-Circuit Resistance: For fixed-bias operation 0.5 max	manaha				
	For fixed-bias operation 0.5 max For cathode-bias operation 1 max					
	Tor Cathode bras operation	. megorin				
	PUSH-PULL AF POWER AMPLIFIER - Class AB					
	Grid No.2 of each tube connected to tap					
	on plate winding of output transformer					
	Maximum Ratings, Design-Naximum Values:					
	PLATE AND GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE	volts				
	SUFFEI YULIAGE 410 Max.	VOILS				

- Indicates a change.

